

ABSTRACT

An apparatus and method for adhesive binding and assembly of plural sheets with a backed hot melt adhesive sheet to form a book-like structure.

Exemplary embodiments include a device for contacting the backed hot melt adhesive sheet to a spine surface of the assembly of plural sheets, applying force to an area where the backed hot melt adhesive sheet contacts the assembly of plural sheets, and actively withdrawing heat from the backed hot melt adhesive sheet to bring a temperature of a hot melt adhesive of the backed hot melt adhesive sheet below a glass transition temperature of the hot melt adhesive.